

# FOLIO

University of Alberta

28 January 1988

## Researchers Given \$1.3 Million for Cancer Research

A grant of \$1.3 million has been awarded to a team of University of Alberta and Cross Cancer Institute researchers to extend research to detect pelvic cancer using a monoclonal antibody (MAB) developed by Michael Longenecker (Immunology) and Tony Noujaim (Pharmacy).

The grant is given jointly by Biomira Inc., the University-affiliated biotechnology company that produces the MABs, and the Medical Research Council of Canada (MRC).

Biomira will contribute \$750,000 over three years. MRC will provide \$500,000 over five years, as part of the Industry-University Award Program.

MABs are proteins that seek out and attach themselves to specific structures on cells. MABs can be specifically designed to attach themselves to structures found only on specific cancer cells. When

a radioactive isotope is attached to a MAB, the cancerous areas in the body will "light up" and be visible under imaging devices, enabling doctors to see the tumor and observe how it behaves. These MABs have been called "magic bullets".

Scientists around the world have had only limited success with magic bullets, partly because the MABs they used were not specific enough.

Then Drs. Longenecker and Noujaim came up with a new way of making them. This innovative method has enabled them to produce a superior and much more specific MAB, that can really be custom designed.

Using custom-designed MABs in clinical trials at the Cross, the researchers have been able to detect cancers that were invisible by other methods such as CT scans or ultrasound, say team members

Grant MacLean (Medical Oncology) and Sandy McEwan (Radiology, and director of nuclear medicine at the Cross).

The MRC-Biomira grant will allow further and expanded clinical trials at the Cross. Later this year, the team expects to run multi-centre trials in Canada, Europe, and the United States.

Eventually the studies will include using MABs for treatment, by attaching drugs to kill cancer cells. □

## Cross Cancer Institute Lines Up Lecture Series

The Cross Cancer Institute is observing its 20th anniversary, and the celebratory events include free, weekly public lectures on cancer-related topics.

The 10-week series begins next Thursday (4 February).

Each lecture is aimed at a general audience and will be followed by a question and answer period. Refreshments will be served.

Among the aspects of cancer to be discussed are detection, current treatment methods, the psycho-social consequences of cancer, cancer prevention and future trends in cancer diagnosis and treatment.

The first lecture (4 February, 7:30 p.m.), "An Introduction to Cancer", will be presented by Anthony Fields, acting director of the institute. The location for the opening lecture and all others to follow is the auditorium, Cross Cancer Institute, 11560 University Avenue.

For more information, contact Karen Walker, 432-8778. □

## Public Affairs, Extension Win CASE Awards

"Congratulations! Your entries won a CASE [Council for the Advancement and Support of Education] District VIII Award."

So begins a letter from Mary Hudzikiewicz, chair, District VIII Awards, to Sandy Halme (Office of Public Affairs) and Fran De Jong (Extension).

OPA received a brace of gold awards for the quarterly *Q and A* and "Report of the Governors 1986-87" (both in the in-house publications category) and a silver for "Report of the Governors" (visual design in print category).

Extension picked up a gold award for its 75th anniversary poster (individual special program publications). The Faculty also received an honorable mention for its campaign poster (visual design in print).

Associate Vice-President (University Relations) David Norwood, on behalf of OPA, and Ms. De Jong accepted the awards 26 January at the CASE District VIII conference in Vancouver. District VIII, the Pacific northwest, includes British Columbia, Alberta, Oregon, Washington and Idaho.

*Q and A*, which reports on humanities, social sciences and fine

arts at the University of Alberta, is in its first year of operation. The editor is David May.

The "Report of the Governors" was produced by OPA (design and production management: Shirley Phillips) and the administrative director of the Board of Governors (Paul Robison). The theme for 1986-87, the University's association with the north, was compiled by M. Asch

*Continued on page two*



### Buns, Buns, Buns!

Brigit Bischof (Housing and Food Services) bakes her fair share of CAB's famous cinnamon buns. Forty to fifty dozen are made daily, with CAB bun addiction drawing alumni back here from as far away as Thailand, says Ken Toong, CAB cafe manager.

University of Alberta

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- More on 'The Rise of Aggressive Ignorance'



28 January 1988

## Awards

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(Anthropology) and W.C. MacKay (Zoology).

Both award winners were printed by the Department of Printing Services.

The watercolor on one side of Extension's poster was developed by the freelance graphic design team of Rod Michalchuk and Brenda Burgess. The other side contains the complete history of the Faculty. It was researched and written by De Jong and her staff. The 22 5/8" by 22 5/8" poster is titled "A Faculty of Perception". "What we learn affects how we view and participate in the world. This piece, inspired by the work of M.C. Escher, celebrates the challenge and rewards of learning," reads the explanatory note.

The history side of the poster won gold; the watercolor side received honorable mention.

"We didn't expect to get a gold . . . we were just hoping to place well," De Jong, program promotions officer, says. "A lot of credit goes to the designers."

All winning entries were on display throughout the conference. □

## Dimić Newest University Professor

Milan Dimić (Comparative Literature) has been appointed by President Horowitz as a University Professor.

The appointment begins on 1 July of this year and is without term.

One criterion for the awarding of the title of University Professor is that the individual's scholarly work merits, or has merited, national or international attention.

Professor Dimić is often called "the father of comparative literature in Canada". He founded and was the first chairman of the University of Alberta's Department of Comparative Literature, the first such department in Canada. (The Royal Society recognized this achievement in 1983 when he became the first Fellow to be elected as a comparativist.) His work in comparative literature has led him, during the last five or six years, to undertake extensive study of Canadian literature (English and French). Through the Institute of Comparative Literature, which Professor Dimić helped to establish, he is participating in the

writing of a history of the literary institution in Canada, based on a polysystemic methodology.

He is not only chiefly responsible for introducing comparative literature on campus but also for broadening the scope of the subject area. By its very nature, comparative literature is interdisciplinary and Professor Dimić has been instrumental in helping to create courses in the relationship between literature, the other arts, and other areas of the humanities and social studies. In doing so, he helped to introduce new methodologies and new approaches to the field of comparative studies.

Among Professor Dimić's other achievements is the *Canadian Review of Comparative Literature*. Under his pioneering editorship, the journal progressed into the front rank of such publications both in North America and abroad.

Milan Dimić came to the University of Alberta in 1966 as an assistant professor of Germanic Languages. (He had taught at his hometown University of Belgrade and done research at the Alexander von Humboldt Stiftung, Federal Republic of Germany, and had studied at a number of European universities, including Belgrade, Vienna, Freiburg, Strasbourg and Tübingen.)



Milan Dimić

Photo/University of Alberta/OFA

At our University, Professor Dimić has directed a great number of dissertations and has taught such courses as "Literature and Society," "Psychological Theories in the Explication of Literature," "Methods of Literary Scholarship," "Romanticism," and "Folklore." Most of his own publications are in these last three areas of research.

Students and colleagues suspect that his knowledge of European languages and literatures is encyclopedic. □

## FOLIO

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### Deadlines:

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## Organization of University Computing Systems

*The following statement has been  
issued by Bruce Miller, director,  
University Computing Systems.*

Effective immediately, the new  
organization of University  
Computing Systems, which is the  
amalgamation of the former  
departments of the Office of  
Administrative Systems and  
Computing Services, is announced.  
The transition to this new  
organization should be completed  
by 1 April 1988.

The department of University  
Computing Systems is a service  
organization responsible for the  
provision of high-quality,  
innovative, and cost-effective  
information services to support the  
teaching, research, administrative  
and management processes of the  
University. These services are  
funded and provided at levels

consistent with University  
requirements as recommended to  
and approved by the senior  
administration of the University.

The new management structure  
organizes the department by  
functional area to carry out its  
service mission in an effective and  
efficient manner under four  
associate directors: Business  
Operations, Academic Applications  
and Support, Administrative  
Applications, and Computing  
Centre Operations. This structure  
represents no increase in total  
management complement or salary  
costs from the combined totals of  
the two former departments.

We intend to complete this  
transition with minimum impact on  
services provided to our users, and  
we solicit your patience and  
understanding while we complete  
this significant reorganization. □

## Japanese Book Collection Enhanced

The Department of East Asian Languages and Literatures' "wish list" came true on 20 January when the University received a gift of Japanese books from Hiroshi Kurimoto, president, Nagoya University of Commerce and Business Administration. A total of 353 volumes, valued at more than \$25,000, was given the Libraries by President Kurimoto, who made the donation to honor his mother, Shizu Kurimoto.

Among the books given the University are 16 complete works by some of Japan's most famous authors, a major collection of modern Japanese poetry, the complete works of four modern Japanese thinkers, the definitive dictionary of Japanese history and



(Left to right) Brian Evans, associate vice-president (International Affairs); Sonja Arntzen, chair, East Asian Languages and Literatures; Peter Freeman, chief librarian; President Horowitz; Kaoru Ohta, professor, East Asian Languages and Literatures; and Louis Chor, East Asian librarian, examine the collection.

a copy of a leading Japanese encyclopedia and dictionary. The bulk of the gift consists of collected

editions (Zenshu) of various Japanese authors, including Yukio Mishima.

The collection of Japanese books is the latest present from the Kurimoto family (the late Yuichi Kurimoto, the first Japanese graduate of our University, established several schools in Japan, including the Nagoya University of Commerce and Business Administration, of which his son, Hiroshi, is now president). The Kurimotos are strong supporters of the University, particularly the Devonian Botanic Garden, home of the Kurimoto Japanese Garden. □

## Career and Placement Services Looking for Volunteers

The University of Alberta has made some major changes to its career finding and recruiting facilities.

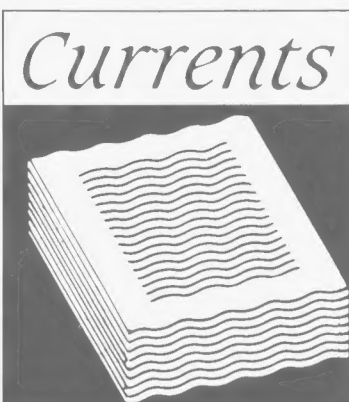
Effective 15 July 1987, all on-campus recruitment job order postings and career resources were transferred to the Office of Career and Placement Services (CaPS). CaPS is University-owned and operated, and it receives staffing and program support from Employment and Immigration Canada.

CaPS has a large career resource library which is designed to serve the career planning needs of the University's 29,000 students. The library contains employer profiles, international opportunities, career-related reference materials and numerous periodicals and publications.

CaPS has three people from the community volunteering in the resource room as receptionist/information officers and administrative assistants. Jean Fraser, a volunteer with CaPS since last fall, describes her work as "a great opportunity to help students while staying in touch with what is happening at the University of Alberta."

Besides the benefits of working in a very positive student-oriented environment, CaPS volunteers are given every opportunity to learn more about the job search process and the employment recruitment program on campus, as well as gain experience in various other areas of office administration.

Lorena Tersteeg of CaPS says, "If you have the community spirit and are interested in volunteering your time at CaPS, please come and see us on the fourth floor of SUB or phone 432-4291." □



### Campus Reviews

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews (PACCR), the Department of Physical Education and Sport Studies is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee (15 to 20 February). In preparation for this second phase, PACCR invites written comment prior to 12 February. Submissions are for the use of the Unit Review Committee and will be held in confidence by the members of that committee.

Submissions should be sent to: Mrs. Shirley Moore, Coordinator, PACCR Office, W4-13 Chemistry Building, Attention: The Physical Education and Sport Studies Unit Review Committee.

### Selection Committee (Organization Analysis) Invites Suggestions

A Selection Committee for Chairman, Department of Organizational Analysis, Faculty of Business, has been established. Anyone wishing to make suggestions/comments to this committee should do so before 15 March 1988 by writing to R.S. Smith, Dean, Faculty of Business, 4-40 Business Building.

### Women's Research Centre Meeting

The next meeting of the Women's Research Centre will take place on 8 February, starting at 5:30 p.m. The address is 11043 90 Avenue.

Leslie Stewart (432-3093) asks that those planning on attending bring some money for an "order-in" dinner.

### Academy Strings Charity Ball

The Academy Strings Charity Ball will be held at the Faculty Club on 13 February, starting at 6:30 p.m. Norman Nelson will lead an evening of fine food, chamber music, and dancing to the Academy Strings.

Proceeds to assist the Academy Strings European Tour '88.

Tickets \$55 per person prior to 1 February, \$65 after; tax receipts for \$30 will be issued. For tickets and information, telephone 436-0571 or 432-3263.



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## Emil Skarin Fund

### Invitation to apply

Applications are invited to the Emil Skarin Fund Committee of the University Senate for financial support of a 1988 project or projects. Approximately \$5,000 from the Fund will be available.

Projects must be of value both to the public as well as the University of Alberta; be consistent with the general aims and purposes of this University, but not normally funded by it; and originate within the Province of Alberta.

Preference will be given to projects with an emphasis on the humanities and the arts. Proposals should include objectives, schedule, budget, and procedures for organization and evaluation.

Application forms are available on request, and should be returned, completed, by 1 March 1988.

The Chairman,  
Emil Skarin Fund  
Committee  
University of Alberta  
150 Athabasca Hall  
Edmonton, Alberta  
T6G 2E8

Tel. 432-2268

# Letters

## On Snobbishness as a Substitute for Pedagogy

■ There is a certain sort of person for whom knowledge of a rather trivial sort, but culled from lofty sources, is a substitute for inquiry, argument and thought. You can often detect such persons by their quotesmanship. Perhaps you are talking over beer about the Edmonton Oilers and their chances of winning another Stanley Cup. The conversation is detailed: Jeff Beukeboom's skating style is mentioned, and Esa Tikkanen's offensive skills are questioned. It is at this kind of conversational high-tide that the Quotesman tends to intervene. The hint of a smile playing about the corners of his thin lips, he will say: "She whom I love is hard to catch and conquer,/ Hard, but O the glory of the *winning* were she won!" There is often a rather strained lack of communication at this point: you want to get back to your imprecations re Tikkanen, but you don't want to be impolite. You wait. The Quotesman smiles again: "Milton," he says.

I do not know whether John Osborne is a quotesman. But in his "The Rise of Aggressive Ignorance" (*Folio*, 14 January) he certainly displays some of the most pathetic characteristics of the type. Confessing that he has failed in his "struggle to find paraphrases and synonyms for terms and words which mystify some of our students", he blames not himself but his students, and in particular, their "cultural illiteracy", as well as their lack of reverence for Great Ideas. "Student coffee conversations are more likely to be about pork bellies," he says, "than great ideas." And he blames this all on a syndrome that includes the "consumer (i.e., student) oriented atmosphere in which professors must now work" (as opposed, one assumes, to the freedom they previously had to do no work at all on their teaching). The system, he complains, demands things like course outlines that must be adhered to, appeals against grading, and even allows student journalists to eavesdrop in classes while looking for a story.

You may find all of this a tad exaggerated as a critique of the pedagogical system on this campus. But what, you ask, has it got to do with quotesmanship? Well, let us look at some of the horrible things that Professor Osborne has had happen to him. A graduate student once came to him and asked him what ontology was. "Do you have a dictionary?" replied the professor. Some of us might say that this was not a particularly polite response, and that knowing what ontology is does not give you a right to be impolite to those who do not. But waiving that (as professors tend to do), let us look at a dictionary definition of ontology: "Branch of metaphysics dealing with the nature of being" (*Concise Oxford Dictionary, Sixth Edition*). Now I can imagine that somebody might still, even after reading that, want to know what ontology is. Osborne should have quoted David Byrne: "You may ask yourself, 'How did I get here?'" That could have started a fine discussion about ontology. Or don't the Talking Heads count in discussions of Great Ideas?

The point about teaching (as Plato once said) is that students don't already know. If they did, they wouldn't need you. (Shrewd guy, Plato.) I don't think it is a tremendously radical idea to suggest that if it is typical of students that they don't respect the great ideas, then their teachers are to blame. It is certainly the worst sort of cop-out — sorry, professor, that means "bad faith" — to blame a lack of reverence for the great ideas for this egregious failure of our University (if indeed we have failed). *Reverence*? I ask you! What did *that* ever do for education?

Another story. In a class Professor Osborne "proceeded to point out (à la Foucault) the political ramifications for epistemology and methodology within the human sciences". (Why, one wonders, didn't he argue in favor of this; why all this pointing out à la Foucault?) Now, given that the point being made à la Foucault is controversial and not at all a truism, one might think that the professor might have expected a degree of rational opposition, or even that he might have put a rational interpretation on what opposition there was, and thereby used it as a starting-point for further discussion. But this is not what happened, apparently, since he describes his students' response as an emotional reaction to the "shattering of an apparently Pollyanna-ish world view". Well, what do you think of that? Not very respectful? A somewhat inflated self-description—"Like unto a latter-day Socrates, I come, shattering Pollyanna-ish *Weltanschauungen* behind every windmill." That's how it strikes me, anyway, and I would not be

tremendously surprised to hear that the students in this class did not acquire any great reverence for the ideas that were presented to them. great

Enough said, perhaps. The essence of quotesmanship is to expect reverence for something because of where it came from, and not because of what it is. By and large, students don't like that attitude. Bully for them. When I tell my students that Aristotle believed that some men were naturally slaves, and that you could tell this because these men have coarse skins, I note that this does not induce any reverence in them either for the idea or for its author. But when I tell them about Aristotle's achievements in biology or philosophy of science, they are appreciative of the man, and turned on to his ideas. Isn't that how things should be?

Mohan Matthen  
Department of Philosophy

## A Response to 'On Snobbishness as a Substitute for Pedagogy'

■ The perceptions and experiences I described in my "Opinion" (*Folio*, 14 January) are relevant to the extent that they resonate with the experiences of other professors. Obviously Professor Matthen is not one of those people. Perhaps his feelings and, to the extent that he articulates them, his views, are shared by others. The purpose of the article was to evoke concerned discussion. The issues involved certainly evoke emotional responses, but as most of us realize, throwing mud is usually unhelpful. I shall try to amplify some of the issues I raised previously.

Firstly, cultural illiteracy is here at the U of A. It is often experienced when a professor makes an allusion to art, literature, music, history, major philosophical ideas or even current affairs. Perhaps s/he is trying to provide a student with an example of a concept which is not understood in the current class context. However, the professor finds that the student lacks knowledge of those fields to which s/he alludes. And so begins a type of regression towards a point of minimal ignorance (level of entering behavior). The professor attempts to find some extant knowledge, within the experiential repertoire of the student, which can provide a bridge for understanding the new idea. The problem is essentially the student's lack of a sufficient working knowledge of the world. For example, one might suggest that a student read something in order to facilitate comprehension of content that is currently not understood. But the student may not be able to understand the recommended facilitative material either. A colleague told me of his recent experience of cultural illiteracy when he reported that he had learned that "our undergraduates are comfortably unfamiliar with the essence of the Canadian constitution and recent constitutional events".

Secondly, a decision has to be made about the allocation of responsibility for teaching/learning. I view a successful pedagogical relationship as one which is built upon reciprocity and interaction rather than passivity. Unlike B.F. Skinner, I do not believe that "the student is always right". Students must want to learn. Neither the professor nor the student should hold each other entirely responsible for learning. An investment of energy is needed on both sides. However, one of the points in my "opinion" was that increasing numbers of students are more inclined to hold professors responsible for their educational experience without being willing to make much of an effort themselves. The consumer-oriented atmosphere encourages the feeling that all a student need do, in some cases, is to pay fees and attend. The rest is up to the professor. When events do not favor this expectation, professors are sometimes blamed, especially if they insist upon high standards. Part of the solution to this problem is to increase awareness of the problem of cultural illiteracy. A basic vocabulary of general knowledge is a prerequisite for becoming an educated member of our community. There must be some soil in which the seeds of higher learning can be planted. Presently, too many of us are spending too much time breaking and moving rocks from the field with little time left for planting and harvesting.

Thirdly, working in a consumer-oriented atmosphere can create



tension and apprehension for the one providing a service when the customer realizes that the power to complain can become the power to harass. To some extent grade appeal procedures have legitimized this tendency. The problem is not one of accountability but the abuse of accountability to the extent that it seriously inhibits spontaneity and openness in teaching. As overcrowding and depersonalization increase, student frustration and anger. Those of us who teach large classes are sometimes the objects of displaced emotions for which we are not directly responsible.

Lastly, Professor Matthen interpreted my "opinion" as implying that students should accept or revere ideas simply because of their source or presumably their ascribed validity. Unfortunately, he does not seem to have understood that in order to argue or discuss ideas students need some basic knowledge from which to start. Ironically, what often happens is that many, but by no means all, students tend to uncritically accept whatever is presented to them and are not interested in critical examination of those ideas - an example of the hand-me-down learning that Professor Matthen calls "quotesmanship". In the process of trying to remediate such a lack of critical awareness, I sometimes encounter students who ask, with an air of impatience: "When can we leave this critical foundations stuff and get on with the course?" These students, although in a minority, can have a significant inhibiting effect upon the cultivation of critical thinking, especially in overcrowded classes.

My "opinion" was an expression of how I have experienced what I perceive to be certain trends. Subsequent messages from colleagues have reassured me that my experience is not unique. Coping with ignorance and cultural illiteracy is *not* a matter of identifying "good guys" and "bad guys" and apportioning blame. The situations I have described are the result of trends which have emerged over the last two decades. The student behaviors I refer to are some of the manifestations of a much larger problem which extends beyond the world of the university. However, it is a problem which we cannot avoid confronting in our own back yard.

John Osborne

Department of Educational Psychology

## Talks

### Plant Science

29 January, 12:30 p.m. G. Van Esbroeck, "Modeling Crop Development." 1-06 Agriculture-Forestry Centre.  
5 February, 12:30 p.m. A. De St. Remy, "Brassicas Don't Mix—Wild Mustard in Canola." 1-06 Agriculture-Forestry Centre.  
9 February, 12:30 p.m. K. Conn, "Symbiosis of Tall Fescue and a Fungal Endophyte and its Effect on Herbivores." 1-06 Agriculture-Forestry Centre.

### Women's Studies

29 January, 3 p.m. "Reading Feminist Texts Together." A discussion of Teresa de Lauretis, *The Technology of Gender*, by Janice Williamson. Copies of the essay available in Cameron Reserve Reading Room. 4-29 Humanities Centre.  
1 February, 4 p.m. "Reading Feminist Texts Together." A discussion of Joanna Russ, *How to Suppress Women's Writing*, led by Patricia Clements. Copies of the text are available in the Bookstore and in the Cameron Reserve Reading Room. 4-29 Humanities Centre.  
5 February, noon. Poet Erin Mouré will read from her works. L-3 Humanities Centre.  
5 February, 3 p.m. "Reading Feminist Texts Together." A discussion of Adrienne Rich's *Bread, Blood and Poetry*, by Jeanne Perreault. Copies available in the Bookstore and in Cameron Reserve Reading Room. 4-29 Humanities Centre.

### Economics

29 January, 3 p.m. Paul Boothe, "Cointegration, Error Correction and the Term Structure in a Small Open

Economy." 8-22 Tory Building.  
12 February, 3 p.m. Gregor Smith, Queen's University and UBC, "Calibration as Estimation." 8-22 Tory Building.

### Geography

29 January, 3 p.m. William Barr, professor and chairman of geography, University of Saskatchewan, "Glacio-Isostasy and the Changing Face of the Northwest Passage." 3-36 Tory Building.

### History

29 January, 3:05 p.m. Frank Milligan, "The Conservative Reformism of Eugene A. Forsey." 2-58 Tory Building.

### Zoology

29 January, 3:30 p.m. Phil Currie, director, Tyrrell Museum of Palaeontology, "Troodontid Dinosaurs and the Origin of Birds." M-149 Biological Sciences Centre.  
5 February, 3:30 p.m. W. Bruce McGillivray, curator of ornithology, Provincial Museum of Alberta, "Avian Morphometrics: Why Are Size and Shape so Hard to Measure?" M-149 Biological Sciences Centre.  
12 February, 3:30 p.m. R. Glen Northcutt, Department of Neurosciences, University of California, San Diego, "Evolution of the Lateral Line System." M-149 Biological Sciences Building.

### Canadian Institute of Ukrainian Studies

29 January, 7:30 p.m. Rev. Serge Keleher, Archpriest, Eparchy of Toronto and Eastern Canada, "The Lviv 'Sobor' of

the Ukrainian Catholic Church, 1946: A Documentary Film With Commentary." Heritage Lounge, Athabasca Hall.

### CITL

1 February, 2 p.m. Judy Steele and Norma Nocente, Westerra Institute of Technology, "Testbanking Systems—What Should You Look For?" 158 Education South.  
2 February, 2:30 p.m. Dick Sobsey, "Practical Suggestions for Conference Planners." TB-W2 Tory Breezeway.  
3 February, 3 p.m. Tom Pocklington, "Seminar on Seminars." 2-33 Humanities Centre.  
4 February, 3 p.m. Michael G. Grace, "Separating the Wheat From the Chaff: Reviewing the Literature Quickly." TB-W2 Tory Breezeway.  
8 February, 3 p.m. Ursula Matthews, "Writing Papers for Refereed Science Journals." 2J4.02 Mackenzie Health Sciences Centre.  
9 February, 3 p.m. Judy Steel and Norma Nocente, Westerra Institute of Technology, "Testbanking Systems—What Should You Look For?" 158 Education South.  
10 February, 9 a.m. Hugh C. Phillips, education and speaking consultant, "Speaking with Class." TB-W2 Tory Breezeway.  
11 February, 3 p.m. Graham J. Fishburne, "How Good Teachers Develop—What We Know." TB-W2 Tory Building.

### Slavic and East European Studies

1 February, 3 p.m. K.T. Holden, "The Role of Metaphor in the Evolution of Russian Aspect." 436 Arts Building.  
8 February, 3 p.m. L. Szwierczek, "Some Problems of Syntactical Negation in Polish, Bulgarian and English." 436 Arts Building.

### Religious Studies

1 February, 3 p.m. Tariq Esmail, professor of political science, University of Calgary, "Government and Politics in Islam." L-2 Humanities Centre.  
4 February, 3 p.m. Roy Neehall, United Church of Canada, former general secretary of the Caribbean Council of Churches, "Religion and Development." L-4 Humanities Centre.

### Rural Economy

1 February, 3:15 p.m. L.P. Apedaile, "A Simulation of Economic Effects of Technology Transfer in Cereal Production." 511 General Services Building.  
4 February, 3 p.m. Elizabeth A. Wilman, associate professor of economics, University of Calgary, "User Fees for Outdoor Recreation." 519 General Services Building.  
8 February, 3 p.m. Kenneth Armison, chief forester, Province of Ontario, "A Personal Perspective on the Evolution of Natural Resource Policymaking." Co-sponsors: Economics and Forest Science. 519 General Services Building.

### Anthropology

2 February, 3:30 p.m. Nicolas David, University of Calgary, "Dokwaza: Last of the African Iron Masters." 14-6 Tory Building.

### Alberta Heritage Foundation for Medical Research

2 February, 4 p.m. Jan Lannergren, Karolinska Institute, Stockholm,

Sweden, "Mechanical Properties of Single Skeletal Muscle Fibers." Sponsored by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

### Forest Science

3 February, noon. Dennis Parkinson, director, Kananaskis Centre for Environmental Research, University of Calgary, "Forest Fungi—Facts and Fantasy." 4-1 Mechanical Engineering Building.

### Literary Theory

3 February, 3:30 p.m. R.R. Wilson, "Narrative Boundaries and Worlds in 'Hamlet.'" 5-20 Humanities Centre.

### Applied Mathematics Institute Seminar

3 February, 4 p.m. R.J. Tait, "Finite Amplitude Shear Waves in Incompressible Elastic Solids." 357 CAB.

### Botany

3 February, 4 p.m. V.J. Lieffers, "Impact of Water Table Changes in Forested Peatlands of Alberta." M-149 Biological Sciences Building.

### Comparative Literature

4 February, 10:30 a.m. Marie-Laure Ryan, California, "Forward and Backward Logic: From Plot Representation to Story Generation." Senate Chamber, Arts Building.  
5 February, 2 p.m. Dr. Ryan, "Fictional Recentering: Possible Worlds and the Characterisation of Fiction." 5-20 Humanities Centre.

### Centre for Systems Research

4 February, 2 p.m. Jerzy A. Wojciechowski, professor of philosophy, University of Ottawa, "Computing Systems in an Ecology of Knowledge." 5-15 Tory Building.  
5 February, 2 p.m. Francisco J. Varela, Epistémologie et Science Cognitive Centre de Recherche Épistémologie et Autonomie, Ecole Polytechnique, Paris, and Institut de Neurosciences, Université de Paris VI, "On Autonomous Systems." TB-W2 Tory Breezeway.

### Music

4 February, 3:30 p.m. Anne Burrows, "Teaching Music to the Blind." 2-34 Fine Arts Building.

### Entomology

4 February, 4 p.m. S. Speyer, "Trilobite Larval Ecology: New Perspectives on an Old Bug." 2-35 Earth Sciences Building.  
11 February, 4 p.m. B. Roitberg, Department of Biological Sciences, Simon Fraser University, "Decision Rules in Parasitic Insects: Simple Response to a Complex Environment." 2-35 Earth Sciences Building.

### Jewish-Christian Dialogue

4 February, 4:30 p.m. Francis Landy and J. Terence Forestell, "The Messiah in Judaism and Christianity." Faculty Lounge, St. Joseph's College.

### Cross Cancer Institute

4 February, 7:30 p.m. Anthony Fields,

"An Introduction to Cancer."  
Auditorium, Cross Cancer Institute.  
11 February, 7:30 p.m. John Pedersen,  
"Early Detection of Cancer." Location:  
same as above.

## Canadian Institute for Nordic Studies and Germanic Languages

4 February, 8 p.m. Sven Delblanc,  
Canadian-born Swedish author and  
literary historian, "A Storyteller's Story."  
B-87 Tory Building.

## St. Joseph's College

5 February, 2 p.m. Wilfred Canning, "The  
Undergraduate Experience." Faculty  
Lounge, St. Joseph's College.

## East Asian Languages and Literatures

5 February, 3 p.m. Leon Zolbrod,  
Department of Asian Studies, University  
of British Columbia, "Slide Lecture on  
Noh Hagoromo." Co-sponsored by the  
Consulate-General of Japan.  
2-05 Business Building.

## Nursing

8 February, 4 p.m. Anne Davis,  
professor, Mental Health and  
Community Nursing, University of  
California, San Francisco, "Ethical  
Dilemmas Encountered by Nurses and  
Other Health Professionals." 2F1.04  
Mackenzie Health Sciences Centre.

## Chemistry

10 February, 11 a.m. G. Horlick,  
"Inductively Coupled Plasma—Mass  
Spectrometry: Current Status and Future  
Trends." 1-07 V-Wing.

## Botany

10 February, 4 p.m. Bill Vidaver,  
"Regulation of Photochemical Water  
Splitting in Conifer Seedlings."  
M-149 Biological Sciences Building.

## Research Institute for Comparative Literature

11 February, 4 p.m. M. Garstin, "A  
Typology of Possible Relationships  
Between Literature and Visual Art."  
Co-sponsors: Art and Design,  
Comparative Literature, English, and  
Romance Languages. 220 Fine Arts  
Building.

## Canadian Mediterranean Institute

11 February, 7:30 p.m. Rosemary Nielsen  
and Edward Blodgett, "Greek Tragedian  
Aeschylus." Lecture Room, Provincial  
Auditorium.

## SUB Theatre

29 and 30 January. The U of A Medical  
Students' Association presents "Med  
Show '88." 432-6492.  
5 and 6 February, 8 p.m. Orchesis (U of A  
Dance Group) presents "Dance Motif  
'88." Tickets: \$6 at BASS outlet in HUB.  
432-5601.

## Music

All events take place in Convocation  
Hall.  
29 January, 8 p.m. Greystone Singers  
from the University of Saskatchewan.

30 January, 8 p.m. Encounters  
Series—Faculty, students and friends  
present works by Rorem, Fisher and  
Schubert.  
4 February, 8 p.m. Non-compulsory  
Student Recital—Stefan Eser,  
saxophone, and Wayne Prokopiw,  
trumpet.  
11 February, 8 p.m. Opera  
Performance—"Gianni Schicci" and  
"Sister Angelica." Two one-act operas by  
Giacomo Puccini.  
13 February, 8 p.m. Opera Performance.

## Edmonton Chamber Music Society

3 February, 8 p.m. "The Juilliard String  
Quartet." 433-8102.

## Studio Theatre

4 to 13 February. "Peer Gynt." 432-2495.

## Sports

### Basketball

29 January, 6:30 p.m. Pandas vs. UBC.  
29 January, 8:15 p.m. Golden Bears vs.  
UBC.  
30 January, 6:30 p.m. Pandas vs. UBC.  
30 January, 8:15 p.m. Golden Bears vs.  
UBC.

### Gymnastics

29 January, 7 p.m. Bears vs. Calgary.

### Swimming

30 January, 8 a.m. Golden Bear  
Invitational #2.

### Hockey

5 February, 7 p.m. Golden Bears vs.  
Calgary.  
8 February, 7 p.m. Golden Bears vs. West  
Germany.

### Volleyball

6 February, 6:30 p.m. Pandas vs. Victoria.  
7 February, 2 p.m. Pandas vs. Victoria.  
7 February, 4 p.m. Golden Bears vs.  
Victoria.

## Surplus Equipment

The equipment appearing in this column is  
available only to University departments  
with University-administered funds. For  
more information, telephone Jody Brookwell  
or Roy Bennett, 432-3208.

For sale: (1) TC1 T3 Scientific Word  
Processing System software with  
Printdriver for Epson FX-80  
(1) TC1 T3 Printdriver for Diablo  
630 ECS Printer  
K. Andersen, Mathematics, 432-3974.

## Positions

The University of Alberta is an equal  
opportunity employer.

In accordance with Canadian Immigration  
requirements, these advertisements are  
directed to Canadian citizens and permanent  
residents.

### Support Staff

To obtain further information on the  
following positions, please contact Personnel  
Services and Staff Relations, 2-40 Assiniboia  
Hall, telephone 432-5201. Due to publication  
lead time and the fact that positions are filled  
on an on-going basis, these vacancies cannot

be guaranteed beyond 22 January. For a  
more up-to-date listing, please consult the  
weekly *Employment Opportunities Bulletin*  
and/or the postings in PSSR.

Clerk Typist III, Physical Plant  
Administration, (\$1,366-\$1,716)  
Clerk Steno III (Trust), Faculty of  
Medicine, (\$1,366-\$1,716)  
Programmable Typewriter Operator III,  
Zoology, (\$1,522-\$1,945)  
Administrative Clerk (Term to 31 May  
1988), Art and Design, (\$1,522-\$1,945)  
Administrative Clerk, Office of the  
Comptroller (Payroll Division),  
(\$1,522-\$1,945)  
Public Relations - Publications Clerk  
III/Publications Assistant II (Trust),  
Medical Publications, (\$1,522-\$2,208)  
Departmental/Executive Secretary, Office  
of the Comptroller (Payroll Division),  
(\$1,716-\$2,208)  
Senior Accounts Clerk, Office of the  
Comptroller, (\$1,716-\$2,208)  
Technician I (Trust), Home Economics,  
(\$1,580-\$2,027)  
Technician I, Genetics, (\$1,580-\$2,027)  
Instrument Technician II, Chemical  
Engineering, (\$1,791-\$2,304)  
Administrative Assistant I (Term),  
Classics, (\$1,945-\$2,510)  
Biology Technologist I (Part-time, Trust),  
Genetics, (\$973-\$1,255)  
Technologist I (Trust), Physics,  
(\$1,945-\$2,510)  
Maintenance Worker II, Physical Plant,  
(\$1,945-\$2,510)  
Surgical Technician III (Trust), Medicine,  
(\$2,027-\$2,624)  
Programmer Analyst III, Library,  
(\$2,741-\$3,579)

For vacant Library positions, telephone  
432-3339.

## Advertisements

### Accommodations available

Sale - \$38,500. University area.  
Two-bedroom condominium.  
Immediate possession. Chris Tenove,  
433-5664, 436-5250. Spencer Realty  
Sale - Riverbend. Only \$106,900. 1,  
bungalow. Double garage. Immediate  
possession. Chris Tenove, 433-5664,  
436-5250. Spencer Realty.  
Sale - Twenty minutes west. Spacious  
bungalow in quiet setting. 19.5 treed  
acres. Not in subdivision. Ask for Pat  
von Borstel, 436-5250, Spencer Realty,  
437-6540.  
Sale - Belgravia, four-bedroom semi.  
\$105,000 plus a penny. This super  
country kitchen not for a loner.  
452-2052 will get you the owner.  
Sale - Charming renovated, two  
storeys, hardwood floors, fireplace,  
jacuzzi, tasteful use of cedar. Large  
dining room, beautiful deck and  
upstairs balcony. Jean MacKenzie,  
Spencer Realty. 436-5250.  
Sale - By owner. Romantic acreage,  
2,300' architecturally-designed home  
and three landscaped acres. Spruce  
Grove. \$134,900. 963-6149.  
Sale - Immaculate, split-level, detached  
house. Aspen Gardens (bus route  
University), three bedrooms, large  
living room, separate dining room,  
den, basement hobby room, sauna,  
fenced yard. \$118,000. Available June.  
432-3631.  
Sale - Windsor Park. Well-constructed,  
spacious, three-bedroom bungalow in  
prime location. Modern interior with  
Poggenpohl kitchen, jacuzzi, fireplace,  
double garage. Developed basement.  
\$159,000. 11728 83 Ave. 433-8667.



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## Associate Director (Business Operations) University Computing Systems

An Administrative/Professional  
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financial and administrative  
management of the department.  
In addition, the Associate  
Director is responsible for  
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service levels, security, disaster  
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**Qualifications:** Candidates  
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A post-graduate degree in  
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Deadline for applications is  
February 19, 1988. Letters of  
application should include a  
current resume, a brief state-  
ment of qualifications for the  
position, and the names,  
addresses, and telephone  
numbers of at least three referees  
who are familiar with the  
applicant's professional  
experience.

Applications should be addressed  
to:

**Mr. B.H. Miller, Director  
University Computing Systems  
343 General Services Building  
MIS.**

The University of Alberta is  
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Rent - Three-bedroom home, near University. Available February or March. \$750/month. Phone 437-2269.

Sale - Millcreek bungalow with character. Two bedrooms plus one. \$74,500. Royal LePage, Resi Richter, 483-9432.

Sale - Charming bungalow, Valleyview. 3 bedrooms, family room, new hardwood floors, super basement development. Royal LePage, Resi Richter, 483-9432.

Sale - Crescent, Valleyview, executive, two storeys, four bedrooms, three fireplaces, finished basement, double garage. \$189,900. Royal LePage, Resi Richter, 483-9432.

Sale - Glenora bungalow. Ten minutes to campus. Upgraded oak kitchen with sunshine ceiling, almond countertops. Patio doors to raised deck. Double garage, heated. \$84,900. Ronn Bence, Royal LePage, 438-5100.

Sale - Summer cottage on large, lakefront lot, electricity, drilled well. Poplar Bay, Pigeon Lake. Phone owner, 436-3029.

Rent - Ottewell. Furnished, three-bedroom house. February to July/August. \$650/month. 468-1254 ext: 218, 469-9490 (home).

Victoria Properties - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call collect, (604) 385-4442. Lois Dutton, Dextron Realty Ltd., Victoria, B.C.

Sublet - Apartment, immediately. Walk to University. Cozy. Evenings 439-1115.

Sale - Grandview. Custom, four-level split. Excellent condition, must sell. \$147,500. By owner. Phone 435-2182 evenings.

Buying or selling a condominium - Contact your south side condominium

specialist, Willma Currah, Royal LePage, 433-9243 or 437-7480.

#### Accommodations wanted

House wanted for visiting professor, 15 February-15 August. Preferably furnished. 432-2740 (days), 433-4687 (evenings).

February-15 August. Preferably furnished. 432-2740 (days), 433-4687 (evenings).

Cottage wanted - Family wishes lakeside cottage with fireplace for three-day holiday. 19, 20, 21 February. Phone Dr. Chatterton, 433-4555 evenings.

#### Goods for sale

40 1/2" Baldwin piano with bench. Walnut exterior, perfect condition, excellent tonal quality. \$2,600. Call 444-4453 evenings.

Upright grand piano. Excellent condition. \$2,100. 428-6162.

Books wanted - Collections large/small. History, philosophy, literature, art, music, Canadiana, etc. Preferably pre-1970, including 19th century, earlier. Bjarne's Books, 10005 82 Avenue, Edmonton. 439-3812. Our buyer pleased to call.

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Professional typist with BA, word processor, APA format for theses, dissertations. McMahon Word Processing, 464-2351.

Recently retired English teacher will edit or type and edit research papers, etc., using Xerox word processor. Quick turnaround. Call 433-4175.

Professional typing of theses, reports, manuscripts, etc. Disk storage capabilities. Call 450-0460 after 5 p.m.

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Wanted: Secretary for very busy medical office. Word processing needed. Must be well-organized, efficient, able to handle large volume of work and deadlines. Good interpersonal skills. Call Susan, 469-3570.

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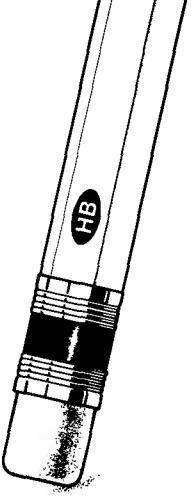
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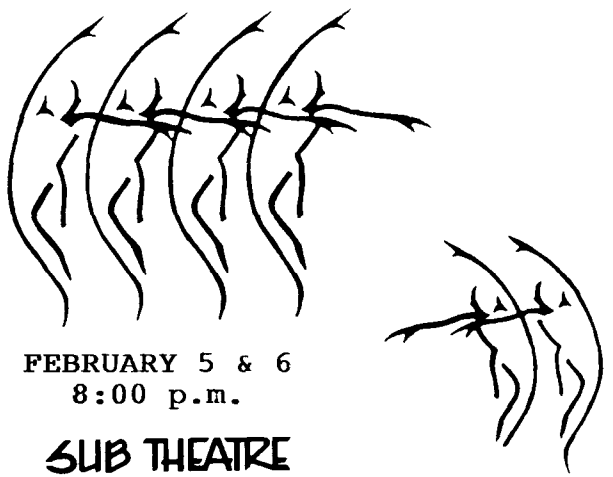
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**FEBRUARY 5 & 6**  
**8:00 p.m.**

### SUB THEATRE

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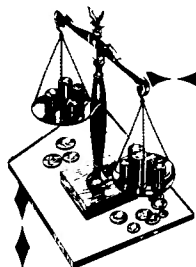
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## HOW WILL BILL 59 AFFECT YOU?

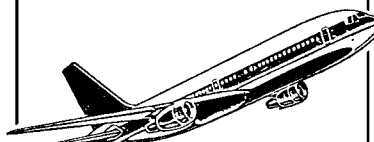
Did you know that Bill 59, the proposed school act, could result in an increase in local property taxes and a decline in the quality and variety of educational programs?

As a taxpayer, you should be aware of the affect Bill 59 will have on you. Information sessions sponsored by Edmonton Public Schools are being held during January and February throughout Edmonton. If you would like to attend one of these sessions or would like more information on Bill 59 call . . .

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